Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HW#38: Complex Area/Perimeter Quiz Review

Geometry

Due: Thursday, November 5th,2015

Due

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fill in the boxes with the appropriate formulas:   |  |  | | --- | --- | | **Squares and Rectangles** | | | Perimeter: | Area: | | **Triangles** | | | Perimeter: | Area: | | **Circle** | | | Circumference (in terms of radius): | Area (in terms of radius): | | Circumference (in terms of diameter): | | |
| 1. Find the base in the triangle below: | 2. Find the height in the triangle below: |
| 3. Find the base in the triangle below: | 4. Find the height in the triangle below: |
| 5. A football stadium is being built and the builders need to determine the perimeter and area of the entire building. The stadium is built as a rectangle with two half-circles on either end. The stadium is 80 yards long and 40 yards wide. What is the perimeter and area, in square feet, of the football stadium? | 6. If each square on the grid represents 4 square feet, what is the approximate area and perimeter of the fish pond? |
| 7. What is the diameter of a circle that has an area of 256π square units? | 8. Determine the area and perimeter of the figure below. |
| 9. | 10. The area of a rectangle is 8 inches. The length of the rectangle is half as long as its width. Find the length and width of the rectangle. |